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RELIABILITY PREDICTION

Model : LPP-150 Data:2000-02-01

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	46	0.003700	10	1.702000	32.657
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	3.262
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	7.675
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.269
10.1	Capacitor-Metal, Plastic (CH)	6	0.000510	10	0.030600	0.587
10.1	Capacitor-Ceramic(Gen.) (CK)	19	0.001700	10	0.323000	6.197
10.1	Capacitor-Aluminum Dry (CE)	12	0.001300	10	0.156000	2.993
6.1	Diode-Switching	12	0.000940	8	0.090240	1.731
6.1	Diode-Fast Recovery Power Rectifier	5	0.023000	8	0.920000	17.652
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	1.719
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	5	0.003300	8	0.132000	2.533
6.1	Diode-Transient Suppressor/Varistor	4	0.002900	8	0.092800	1.781
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.384
6.3	Transistor-Power NPN/PNP	1	0.005700	8	0.045600	0.875
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	4.298
6.11	OPTO-isolator	2	0.027000	8	0.432000	8.289
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.072
5.1	Linear Microcircuits	3	0.009500	10	0.285000	5.468
11.1	Transformer Switching	1	0.000610	3	0.001830	0.035
11.2	Coil Fixed inductor or choke	4	0.000032	3	0.000384	0.007
17.1	Single Connections-Reflow solder	359	0.000069	1	0.024771	0.475
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.005
22.1	Fuses	1	0.010000	1	0.010000	0.192
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.844
Total Failure rate:					5.211825	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 191871.37 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .